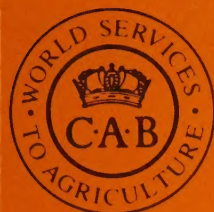


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# Horticultural abstracts

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Minor <i>Ribes</i> species ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Blackberries ... ..	—	—	65	—	—	318	422	504	586	663	771	—
Raspberries ... ..	—	—	65	162	215	318	422	504	586	664	771	863
Minor <i>Rubus</i> species ... ..	—	—	66	—	215	318	422	504	—	664	—	—
<i>Vaccinium</i> species ... ..	—	—	66	162	215	318	422	504	587	664	772	863
Strawberries ... ..	10	—	66	162	216	320	423	505	587	665	772	864
Grapes and grapevines ... ..	11	—	67	163	217	321	423	506	588	666	773	865
Sundry crops ... ..	—	—	72	—	220	325	—	509	592	673	776	869
VEGETABLES, TEMPERATE, TROPICAL AND												
GREENHOUSE ... ..	13	—	73	165	220	325	427	509	592	673	777	869
Alliaceae ... ..	13	—	74	165	221	326	428	511	592	674	777	871
Garlic ... ..	13	—	—	165	221	326	428	511	592	674	777	871
Leeks ... ..	13	—	—	166	222	327	428	511	592	674	—	—
Onions ... ..	13	—	74	166	222	327	429	511	593	674	778	—
Other Alliaceae ... ..	—	—	76	166	224	328	429	—	—	—	779	—
Chenopodiaceae ... ..	14	—	76	166	224	329	430	513	593	676	779	872
Beetroots ... ..	14	—	76	—	224	329	430	—	593	676	779	872
Spinach ... ..	14	—	77	166	224	329	430	513	593	676	779	872
Spinach beets ... ..	15	—	77	—	—	—	—	—	—	676	—	873
Other Chenopodiaceae ... ..	—	—	77	—	—	—	—	—	—	—	—	—
Compositae ... ..	15	—	77	166	224	329	431	513	594	676	781	—
Artichokes (Jerusalem) ... ..	—	—	77	—	224	—	431	513	594	676	781	873
Artichokes (Globe) ... ..	—	—	77	166	225	329	431	513	594	—	781	—
Cardoons ... ..	—	—	78	—	—	—	—	—	—	—	—	873
Chicory ... ..	—	—	78	167	225	329	—	—	594	677	781	873
Endives ... ..	—	—	78	—	—	—	—	—	594	677	782	—
Lettuces ... ..	15	—	78	167	225	330	431	513	595	677	782	873
Salsify ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Scorzonera ... ..	—	—	—	—	—	—	—	—	—	679	—	—
Other Compositae ... ..	—	—	—	—	—	331	—	—	—	—	783	875
Cruciferae ... ..	16	—	80	167	226	331	431	515	596	679	783	875
Brassicacae ... ..	16	—	80	167	226	331	431	515	596	679	783	875
Cress ... ..	—	—	—	—	228	—	433	517	—	—	—	878
Radishes ... ..	16	—	81	167	228	333	433	517	597	682	785	878



**VEGETABLES, TEMPERATE, TROPICAL AND  
GREENHOUSE (contd.)**

Watercress ... ..	—	—	—	169	228	—	—	517	—	—	—	—
Other Cruciferae ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Cucurbitaceae ... ..	17	—	82	169	228	334	434	517	597	682	785	878
Leguminosae ... ..	19	—	85	170	231	338	437	519	600	685	788	880
Beans ( <i>Phaseolus</i> ) ... ..	19	—	85	170	231	338	437	519	600	685	788	880
Beans ( <i>Vicia</i> ) ... ..	—	—	88	—	236	343	439	522	601	687	790	882
Beans ( <i>Cyamopsis</i> ) ... ..	—	—	88	170	237	344	440	—	—	—	—	—
Peas ... ..	19	—	89	—	237	344	440	522	601	688	791	883
Other Leguminosae ... ..	—	—	91	—	241	348	441	524	—	690	792	—
Liliaceae ... ..	19	—	91	170	241	349	441	525	602	690	792	884
Asparagus ... ..	19	—	91	170	241	349	441	525	602	690	792	884
Other Liliaceae ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Malvaceae ... ..	19	—	92	170	241	350	—	525	602	690	793	884
Okras ... ..	19	—	92	170	241	350	—	525	602	690	793	884
Other Malvaceae ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Polygonaceae ... ..	—	—	—	—	241	—	—	—	—	—	793	—
Rhubarb ... ..	—	—	—	—	241	—	—	—	—	—	793	—
Other Polygonaceae ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Solanaceae ... ..	20	—	92	171	241	350	442	525	602	690	793	885
Capsicums ... ..	20	—	92	171	241	350	442	525	602	690	793	883
Aubergines and eggplants ... ..	20	—	93	171	242	352	443	526	602	692	794	885
Tomatoes ... ..	20	—	94	171	242	352	443	526	602	692	795	886
Other Solanaceae ... ..	21	—	99	—	—	—	446	529	—	698	801	—
Umbelliferae ... ..	21	—	99	173	249	358	446	529	606	698	801	890
Carrots ... ..	21	—	99	173	249	358	446	529	606	698	801	890
Parsnips ... ..	—	—	—	—	250	—	447	—	—	—	802	—
Celery ... ..	22	—	101	173	250	359	447	529	606	—	—	890
Celeriac ... ..	—	—	101	—	—	359	447	529	607	—	802	—
Other Umbelliferae ... ..	—	—	101	—	—	359	—	529	607	—	—	—
Sundry crops ... ..	22	—	101	173	251	359	447	530	607	699	802	891
Mushrooms ... ..	22	—	—	173	251	360	448	530	607	699	802	891
Other fungi ... ..	23	—	101	173	251	360	448	530	607	700	803	891
<b>ORNAMENTAL PLANTS</b> ... ..	23	—	102	174	253	361	448	530	607	701	803	891
Antirrhinums ... ..	—	—	102	174	—	—	449	—	—	702	803	—
Carnations and pinks ... ..	23	—	103	174	254	361	—	531	608	702	804	892
Chrysanthemums ... ..	23	—	103	174	255	362	449	533	609	702	804	893
Gerberas ... ..	24	—	104	—	256	363	450	533	—	703	805	893
Morning glories ... ..	24	—	—	175	—	—	450	533	609	703	—	894
Pelargoniums ... ..	24	—	104	—	256	363	450	533	609	703	805	894
Petunias ... ..	24	—	105	175	—	363	450	534	610	703	806	895
Primulas ... ..	—	—	105	—	—	364	450	534	610	704	806	895
Saintpaulias ... ..	—	—	105	—	257	—	451	534	610	705	806	895
Other annual and herbaceous plants ... ..	25	—	106	—	257	364	451	535	611	705	806	896
Bulbs, tubers, etc. — general ... ..	25	—	—	—	259	—	452	536	—	707	807	897
Anemones ... ..	—	—	—	175	259	365	—	—	—	—	—	—
Begonias ... ..	—	—	107	176	259	366	452	536	611	707	807	897
Crocuses ... ..	—	—	—	—	260	—	452	537	—	—	—	—
Cyclamens ... ..	—	—	107	176	260	366	—	537	612	707	—	—
Dahlias ... ..	—	—	—	—	260	—	—	—	—	707	—	—
Freesias ... ..	—	—	107	—	260	366	—	—	—	707	—	898
Gladioli ... ..	—	—	107	176	260	366	452	537	612	707	808	898
Gloxinias ... ..	—	—	108	—	—	—	—	537	—	707	808	—
Hyacinths ... ..	26	—	108	176	260	—	—	—	612	708	808	898
Irises ... ..	26	—	108	—	260	367	452	537	612	708	808	898
Lilies ... ..	—	—	108	176	261	367	452	537	612	708	808	898
Narcissi ... ..	26	—	—	—	261	367	452	538	612	—	—	898
Nerines ... ..	—	—	—	—	—	—	—	—	—	—	—	—
Tulips ... ..	26	—	109	176	261	368	452	538	613	708	808	899
Other bulbs, tubers, etc. ... ..	26	—	109	177	261	368	453	539	613	709	809	899
Lawns and other turf ... ..	27	—	109	177	262	368	453	539	613	709	809	900
Aquatic plants ... ..	—	—	110	—	—	—	—	542	—	—	810	901
Bromeliads ... ..	27	—	110	—	—	—	—	—	—	—	810	901
Other foliage and succulent plants ... ..	27	—	110	177	262	370	454	542	614	711	810	901
Orchids ... ..	28	—	113	178	263	372	—	544	615	711	811	902
Trees and shrubs — general ... ..	28	—	114	179	264	373	456	545	616	713	812	902
Bougainvilleas ... ..	29	—	—	—	—	—	—	—	616	—	—	904



## ORNAMENTAL PLANTS (contd.)

Camellias	...	...	...	...	...	...	—	—	114	179	266	373	—	547	616	713	813	904
Conifers	...	...	...	...	...	...	—	—	114	—	266	374	456	547	616	714	813	904
Heaths and heathers	...	...	...	...	...	...	—	—	—	—	266	374	457	547	617	—	—	904
Hollies	...	...	...	...	...	...	—	—	114	—	—	374	457	547	617	714	813	904
Hydrangeas	...	...	...	...	...	...	—	—	—	—	—	374	—	—	—	—	813	—
Ivies	...	...	...	...	...	...	—	—	115	179	267	—	—	—	617	—	—	904
Jasmines	...	...	...	...	...	...	—	—	—	—	267	374	457	547	617	714	813	904
Lilacs	...	...	...	...	...	...	—	—	115	—	—	—	457	—	—	715	—	—
Magnolias	...	...	...	...	...	...	—	—	115	—	267	375	457	547	—	715	—	904
Poinsettias	...	...	...	...	...	...	—	—	115	—	267	375	457	547	617	715	813	904
Rhododendrons and azaleas	...	...	...	...	...	...	—	—	115	179	267	375	458	547	617	715	813	905
Roses	...	...	...	...	...	...	29	—	115	179	268	375	—	548	618	715	814	905
Other trees and shrubs	...	...	...	...	...	...	29	—	116	180	269	376	459	549	619	717	815	905

## MINOR TEMPERATE AND TROPICAL

## INDUSTRIAL CROPS

Condiment and spice plants ... ..	30	—	118	181	272	378	461	551	621	719	816	908
Dye plants ... ..	30	—	120	182	—	380	462	552	622	721	817	909
Essential oil plants ... ..	30	—	120	182	273	380	462	552	622	721	817	909
Hard fibre plants ... ..	31	—	122	—	—	381	—	—	624	722	—	909
Hops ... ..	31	—	122	—	274	381	463	553	624	722	819	910
Insecticidal and other pesticidal plants ... ..	31	—	122	183	274	382	463	553	624	723	819	910
Medicinal plants ... ..	31	—	123	183	275	383	463	553	625	723	819	911
Perennial fatty oil plants ... ..	36	—	133	188	277	—	470	—	630	732	824	914
Sundry plants ... ..	37	—	133	188	278	388	470	557	630	732	824	914

## SUBTROPICAL FRUIT AND PLANTATION CROPS

Avocados	...	...	...	...	...	...	37	—	134	189	278	388	471	557	631	733	825	915
Carobs	...	...	...	...	...	...	—	—	135	—	—	—	—	—	—	—	—	—
Citrus	...	...	...	...	...	...	37	—	135	189	279	388	471	558	631	733	826	915
Dates	...	...	...	...	...	...	38	—	139	191	284	397	—	563	633	737	831	920
Feijoas	...	...	...	...	...	...	—	—	—	—	—	—	—	—	634	738	—	—
Litchis	...	...	...	...	...	...	38	—	141	—	284	397	478	563	—	738	832	920
Longans	...	...	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—
Loquats	...	...	...	...	...	...	38	—	141	—	—	397	—	—	—	—	832	920
Macadamias	...	...	...	...	...	...	—	—	—	—	284	—	—	—	—	738	832	920
Olives	...	...	...	...	...	...	38	—	141	—	284	397	478	563	634	738	832	920
Passion fruit	...	...	...	...	...	...	—	—	142	—	285	397	—	—	—	739	—	921
Persimmons	...	...	...	...	...	...	—	—	142	—	285	397	478	564	—	739	833	921
Pomegranates	...	...	...	...	...	...	—	—	142	191	286	398	479	564	—	—	833	921
Prickly pears	...	...	...	...	...	...	38	—	142	—	—	398	479	564	—	—	—	922
Tamarillos	...	...	...	...	...	...	38	—	—	—	286	398	479	—	—	—	834	—
Tung	...	...	...	...	...	...	—	—	—	191	—	398	—	—	—	739	—	—
Sundry crops	...	...	...	...	...	...	—	—	142	191	286	398	479	—	—	739	—	—

## TROPICAL FRUIT AND PLANTATION CROPS

<i>Annona</i> species	...	...	...	...	...	39	—	—	—	286	—	479	—	635	739	834	922
Arecanuts	...	...	...	...	...	—	—	143	—	286	—	—	564	—	—	—	—
<i>Artocarpus</i> species	...	...	...	...	...	—	—	143	—	286	399	479	—	—	740	—	922
Bananas and abaca	...	...	...	...	...	39	—	143	191	286	399	479	564	635	740	834	922
Cashews	...	...	...	...	...	—	—	145	—	287	399	480	564	635	740	836	923
Cocoa	...	...	...	...	...	39	—	145	191	288	400	480	565	635	740	836	923
Coconuts	...	...	...	...	...	39	—	145	192	288	401	480	565	636	741	836	924
Coffee	...	...	...	...	...	40	—	146	192	288	401	480	566	636	742	837	925
Cola	...	...	...	...	...	—	—	—	—	—	—	481	—	636	—	838	—
Guaves	...	...	...	...	...	40	—	147	193	289	403	481	566	636	743	838	925
Mangoes	...	...	...	...	...	40	—	147	193	289	403	481	566	636	743	839	925
Oil palms	...	...	...	...	...	40	—	148	193	290	403	481	567	637	743	839	926
Pawpaws	...	...	...	...	...	40	—	149	193	291	404	481	567	637	744	839	926
Pinneapples...	...	...	...	...	...	—	—	149	194	292	404	481	567	637	744	839	926
Rubber	...	...	...	...	...	41	—	149	194	292	404	482	567	638	744	840	927
Sapodilla	...	...	...	...	...	41	—	—	—	293	405	—	568	—	—	—	—
Sugarcane	...	...	...	...	...	41	—	149	194	293	405	482	568	638	744	840	927
Tea	...	...	...	...	...	—	—	151	195	294	406	—	569	639	746	841	928
<i>Ziziphus</i> species	...	...	...	...	...	42	—	151	195	295	407	—	569	—	—	842	929
Sundry crops	...	...	...	...	...	42	—	151	195	296	407	484	570	639	747	842	930

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## SYMBOLS FOR UNITS

Symbol	Unit or Prefix	Symbol	Unit or Prefix	Symbol	Unit or Prefix
a	are	g	gramme	μbar	microbar
A	ampere	G	giga-	min	minute (time)
Å	angstrom	gal	gallon	mol	mole
atm	standard atmosphere	h	hecto-	n	nano-
Btu	British thermal unit	h	hour	Ω	ohm
bu	bushel	hp	horsepower	oz	ounce
c	centi-	hz	hertz	p	pico-
°C	degree Celsius	in	inch	pt	pint
cal	calorie	J	joule	q	quintal
cd	candela	k	kilo-	qt	quart
Ci	curie	l	litre	R	roentgen
ctn	cental	lb	pound	rad	rad (amount of absorbed radiation)
cwt	hundredweight	lbf	pound-force	s	second (time)
d	deci-	lm	lumen	t	tonne (metric ton)
da	deca-	lx	lux	T	tera-
erg	erg	m	metre	ton	ton
f	femto-	m	milli-	V	volt
°F	degree Fahrenheit	mbar	millibar	W	watt
fl oz	fluid ounce	M	mega-	yd	yard
ft	foot	μ	micro-		

## SYMBOLS FOR LANGUAGES

Af	Afrikaans	Fi	Finnish	Nl	Dutch and Flemish
Ar	Arabic	Fr	French	No	Norwegian
Az	Azerbaijan	Gr	Greek	Pl	Polish
Be	Belorussian	He	Hebrew	Pt	Portuguese
Bg	Bulgarian	Hu	Hungarian	Ro	Romanian
Ch	Chinese	In	Indonesian	Ru	Russian
Cs	Czech	It	Italian	Sh	Serbo-Croat
Da	Danish	Ja	Japanese	Sk	Slovak
De	German	Ko	Korean	Sn	Slovene
Ee	Estonian	Li	Lithuanian	Sv	Swedish
En	English	Lv	Latvian	Tr	Turkish
Es	Spanish	Ma	Macedonian	Uk	Ukrainian
		My	Malay		

Symbols with capitals represent the language of the paper; symbols without capitals the summaries.



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## ERRATA

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79	784	4	For 'Swiss Federal Institute of Technology, Zurich,' read 'Centre horticole, Lullier,'
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151	1564	7	For ' <i>Z. jujuba</i> [ <i>Z. mauritiana</i> ]' read ' <i>Z. jujuba</i> [ <i>Z. sativa</i> ]'
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